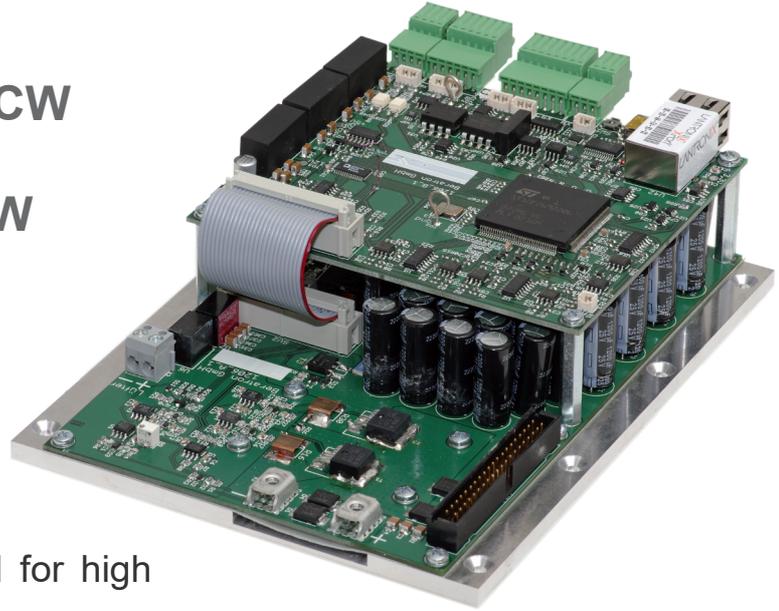


Supply options 24 or 48 V/DC  
Current options up to 350 A QCW  
Voltage options up to 35 V  
Max. average power up to 1 KW  
rise time 20  $\mu$ s  
EIA232, USB, Ethernet, CAN,  
analog  
OEM applications



The OEM Driver Type 1206 is designed for high volume applications.

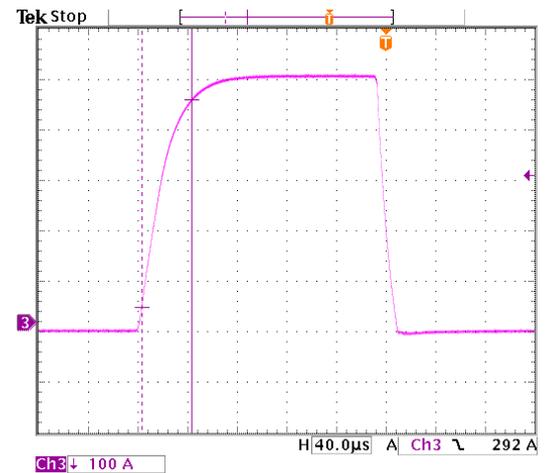
It can operate single diodes, bars or arrays. Pulse durations from 50  $\mu$ s to 1 ms are possible. The rise time is below 20  $\mu$ s.

Due to the linear concept ripple current is very low in comparison with true switching regulators.

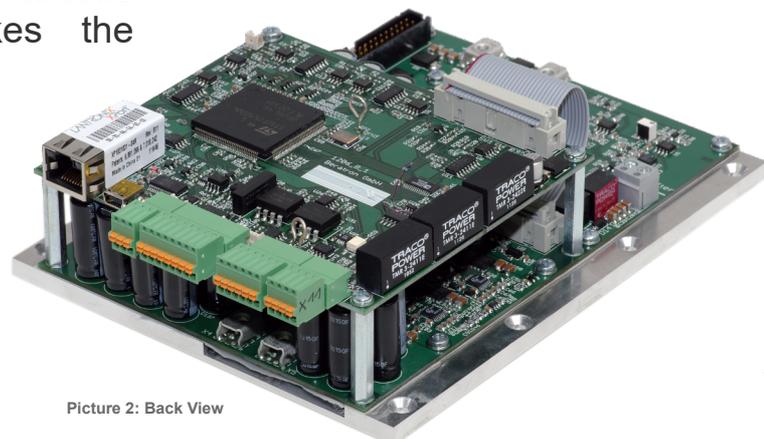
The maximum average power is 1 KW. The 1206 can be operated up to 5 KHz and is supplied with 24 V/DC (max. average power 600 W) or 48 V/DC (max. average power 1 KW).

The device is short circuit proof and adapt the load automatically. They can be controlled via EIA-232, USB, CAN-Bus and Ethernet.

It is equipped with 2 independent Interlock circuits and an analog interface. That makes the integration in your environment easy.



Picture 1: rise- and falltime of a pulse



Picture 2: Back View

Supply	24 V/DC or 48 V/DC
Output current	Up to 350 A QCW
Output voltage	Up to 35 V, self adaptable
Maximum average power	1 KW
Output current resolution	Depends on model typ. 0.1 A
Accuracy (current > 20% of end of range)	2 %
Pulse rise time (10% - 90%)	< 20 $\mu$ s (depends on load)
Pulse fall time (90% - 10%)	< 20 $\mu$ s (depends on load)
Pulse width	50 $\mu$ s – 1000 $\mu$ s (depending on current) Longer pulses with smaller current possible – automatically adaption of the range
Maximum operating frequency	5 KHz
Dimension	180 x 140 x 65 mm <sup>3</sup> (without connectors)
Interlock	2 independent interlock loops, potential free
Current Monitor	Analog 0V - 4V
External Trigger (Input)	5V over Optocoupler
Laser On Input	5V over Optocoupler
Trigger Out	TTL
Warning lamp	Relay output (1A, 30V)